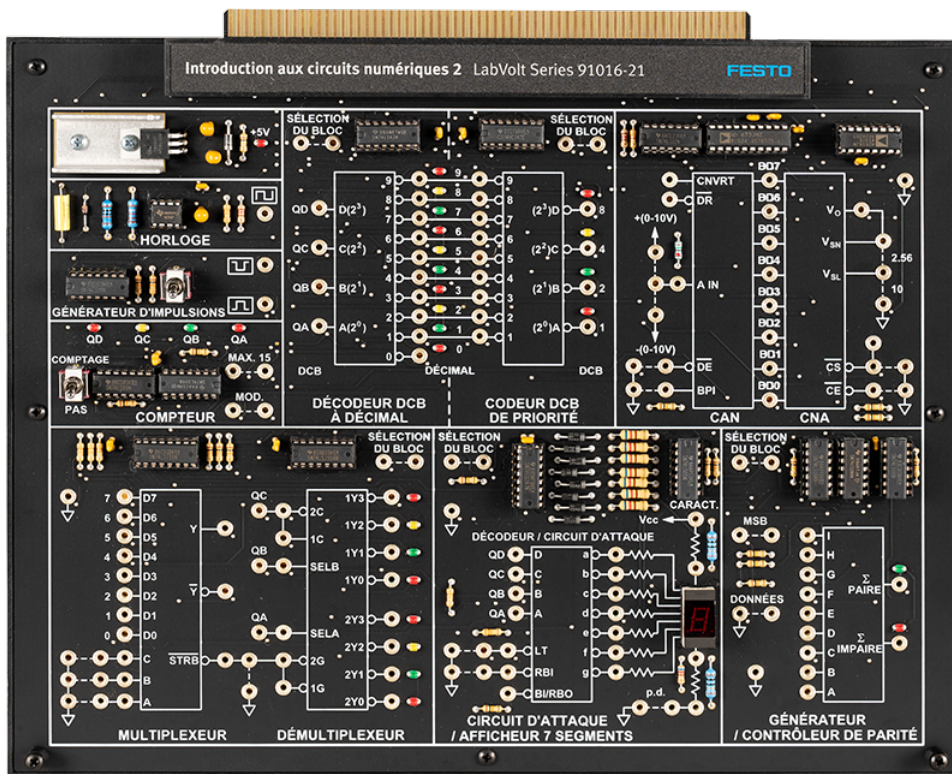


# Digital Circuit Fundamentals 2 FACET Board 581057 (91016-20)



LabVolt Series

Datasheet



Festo Didactic

en

11/2024

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## General Description

The Digital Circuit Fundamentals 2 module is used to study and troubleshoot digital circuits using hands-on educational equipment.

Through the study of the following circuit blocks, students will gain the skills necessary to successfully troubleshoot specific circuit malfunctions:

- Clock
- Pulse Generator
- Counter
- Multiplexer/Demultiplexer
- BCD Decimal Decoder/BCD Priority Encoder
- ADC/DAC
- 7-Segment Driver/Display
- Parity Generator/ Checker

## Topic Coverage

- Component Location and Identification
- Operation of General Circuits and IC Package Fundamentals
- Fundamentals: BCD Decoder Operation, Priority Encoder Operation, ADC Operation, DAC Operation
- Data Selector, Multiplexer, 1-Line-to-8-Line Demultiplexer
- 1-Line-to-8-Line Demultiplexer
- LED Decoder/Driver, 7-Segment LED Display, ODD and EVEN Parity
- ODD and EVEN Parity
- Parity Generator/Checker Glue Logic
- Troubleshooting Basics and Troubleshooting MSI IC Circuits and Digital Circuits

## Features & Benefits

- +5 V regulated supply
- Built-in clock circuit
- Built-in pulse generator circuit
- Built-in counter circuitry

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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